

Trade name: AGREE 50 WG**Product no.:** CUSA 102 C01698 IRE**Current version :** 1.0.0, issued: 03.09.2019**Replaced version:** -, issued: -**Region:** IE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name**AGREE 50 WG**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixturePlant protection product
Insecticide**Uses advised against**

No data available.

1.3 Details of the supplier of the safety data sheet

AddressCertis Europe (GB)
Suite 5, 3 Riverside
Granta Park - Great Abington
Cambridgeshire CB21 6AD
United Kingdom

Telephone no. +44 (0) 1223 894 261

Fax no. +44 (0)1223 891210

e-mail info@certiseurope.co.uk - www.certiseurope.co.uk

Advice on Safety Data Sheet

certis@certiseurope.co.uk

1.4 Emergency telephone number

For further advice for medical professionals:

The National Poisons Information Service: -44 (0) 870 600 6266.

For further advice for veterinary surgeons: -44 (0) 20 7635 9195

Dublin – National Poisons Information Centre, Beaumont Hospital, Dublin 9:

Available from 8 am to 10pm – 7 days: +353 (01) 809 2166

Available 24hrs: +353(01)809 2566

Carechem 24 GB +44 870 190 6777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Skin Sens. 1; H317

Classification information

Classification and labelling are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**Hazard pictograms**

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GHS07

Signal word

Warning

Hazard statement(s)

H317 May cause an allergic skin reaction.

Hazard statements (EU)

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P261 Avoid breathing fume/ gas/ mist/ vapours/ spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P501 Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

2.3 Other hazards**PBT assessment**

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Chemical characterization**

solid plant protection formulation

Hazardous ingredients

| No | Substance name | | Additional information | |
|----|---|-------------------------------------|------------------------|--------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | Bacillus thuringiensis var. aizawai Strain GC-91 | | | |
| | 68038-71-1 | - | >= 50,00 - < 70,00 | %-b.w. |
| | - | | | |
| | - | | | |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash immediately with plenty of water for several minutes.

After eye contact

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Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Call a doctor immediately and show label or packaging. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide; Extinguishing powder; Water spray jet; Foam

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Run-off water from fire fighting must not be discharged into drains or enter surface water. Wear protective clothing.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge uncontrolled into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Do not inhale dust. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale dust/fumes/aerosols.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

Recommended storage temperature

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Value < 40 °C

Requirements for storage rooms and vessels

Store product in closed containers.

Incompatible products

Do not store together with foodstuffs.

7.3 Specific end use(s)**Industry solution**

Always read the label and product information before use.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

No parameters available for monitoring.

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

| | |
|--------------------------------------|--------------|
| Form/Colour | |
| solid; granules | |
| brown | |
| Odour | |
| slightly fishy | |
| Odour threshold | |
| No data available | |
| pH value | |
| Value | 6,0 - 7,0 °C |
| Reference temperature | 25 °C |
| Source | Manufacturer |
| Boiling point / boiling range | |
| No data available | |
| Melting point / melting range | |
| No data available | |

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No data available

Flash point

No data available

Auto-ignition temperature

| | | |
|--------|--------------|----|
| Value | 392 | °C |
| Source | Manufacturer | |

Oxidising properties

No data available

Explosive properties

No data available

Flammability (solid, gas)

No data available

Lower flammability or explosive limits

No data available

Upper flammability or explosive limits

No data available

Vapour pressure

No data available

Vapour density

No data available

Evaporation rate

No data available

Relative density

No data available

Density

| | | |
|-----------------------|--------------|-------------------|
| Value | 0,39 - 0,43 | g/cm ³ |
| Reference temperature | 20 | °C |
| Source | Manufacturer | |

Solubility in water

No data available

Solubility(ies)

No data available

Partition coefficient: n-octanol/water

No data available

Viscosity

No data available

9.2 Other information**Other information**

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

The product is stable under normal storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

It is not explosive and does not exhibit oxidant properties.

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None, if handled according to intended use. Avoid exposure to moisture. Exposure to excessive heat or open flame.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

| Acute oral toxicity | | | |
|---------------------|--|------|-------|
| No | Product Name | | |
| 1 | AGREE 50 WG | | |
| LD50 | > | 5050 | mg/kg |
| Species | rat | | |
| Source | Manufacturer | | |
| Comments | Analogous to product with a similar composition. | | |

| Acute dermal toxicity | | | |
|-----------------------|--|------|-------|
| No | Product Name | | |
| 1 | AGREE 50 WG | | |
| LD50 | > | 2020 | mg/kg |
| Species | rat | | |
| Source | Manufacturer | | |
| Comments | Analogous to product with a similar composition. | | |

| Acute inhalational toxicity | | | |
|-----------------------------|--|------|-------------------|
| No | Product Name | | |
| 1 | AGREE 50 WG | | |
| LC50 | > | 5,78 | mg/m ³ |
| Duration of exposure | | 4 | h |
| State of aggregation | Dust/mist | | |
| Species | rat | | |
| Source | Manufacturer | | |
| Comments | highest checkable concentration | | |
| Comments | Analogous to product with a similar composition. | | |

| Skin corrosion/irritation | |
|---------------------------|---|
| No | Product Name |
| 1 | AGREE 50 WG |
| Source | Manufacturer |
| Comments | Analogous to product with a similar composition. |
| Evaluation | slightly irritant |
| Evaluation/classification | Based on available data, the classification criteria are not met. |

| Serious eye damage/irritation | |
|-------------------------------|---|
| No | Product Name |
| 1 | AGREE 50 WG |
| Source | Manufacturer |
| Comments | Analogous to product with a similar composition. |
| Evaluation | slightly irritant |
| Evaluation/classification | Based on available data, the classification criteria are not met. |

| Respiratory or skin sensitisation | |
|-----------------------------------|---|
| No | Product Name |
| 1 | AGREE 50 WG |
| Route of exposure | Skin |
| Species | guinea pig |
| Method | Magnussen/Kligmann-Test |
| Source | Manufacturer |
| Evaluation/classification | Based on available data, the classification criteria are met. |

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No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

| No | Product Name | | | |
|----------------------|------------------------------|---|-----|-------------------------------|
| 1 | AGREE 50 WG | | | |
| LC50 | | > | 3,9 | x 10E7 cfu/ml; oral (aqueous) |
| Duration of exposure | | | 32 | day(s) |
| Species | Oncorhynchus mykiss | | | |
| Reference substance | CGA-237218 Technical (GC-91) | | | |
| Source | Manufacturer | | | |
| LC50 | | > | 1,5 | x 10E10 cfu/g |
| Duration of exposure | | | 32 | day(s) |
| Species | Oncorhynchus mykiss | | | |
| Reference substance | CGA-237218 Technical (GC-91) | | | |
| Source | Manufacturer | | | |

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

| No | Product Name | | | |
|----------------------|---------------|---|-----|------|
| 1 | AGREE 50 WG | | | |
| LC50 | | > | 100 | mg/l |
| Duration of exposure | | | 48 | h |
| Species | Daphnia magna | | | |
| Source | Manufacturer | | | |

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No data available

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability**Biodegradability**

| No | Product Name | | |
|--------|--------------|--|--|
| 1 | AGREE 50 WG | | |
| Source | Manufacturer | | |

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| | |
|----------|---|
| Comments | Bta is not pathogenic and does not reproduce in living organisms other than target Lepidopteran larvae. |
|----------|---|

| Abiotic Degradation | |
|---------------------|--|
| No | Product Name |
| 1 | AGREE 50 WG |
| Source | Manufacturer |
| Comments | Bacillus thuringiensis subspecies aizawai (Bta) bacteria are rapidly degraded by UV light and the activities of other micro-organisms. |

12.3 Bioaccumulative potential

| Bioconcentration factor (BCF) | |
|-------------------------------|---|
| No | Product Name |
| 1 | AGREE 50 WG |
| Source | Manufacturer |
| Comments | Bta is not pathogenic and does not reproduce in living organisms other than target Lepidopteran larvae. |

12.4 Mobility in soil

| Mobility in soil | |
|------------------|---|
| No | Product Name |
| 1 | AGREE 50 WG |
| Comments | Bta has a high capacity to adsorb to the clay fractions in soils and shows no evidence of leaching. |

12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|---|
| PBT assessment | The components of this product are not considered to be a PBT. |
| vPvB assessment | The components of this product are not considered to be a vPvB. |

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

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No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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